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PTO/SB/21 (02-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

7

Application Number

10/803,482

Filing Date

March 18, 2004

First Named Inventor

Monia et al.

Art Unit

1652

Examiner Name

unassigned

Attorney Docket Number

BIOL0003US

ENCLOSURES (Check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Response to Missing Parts/
Incomplete Application☐Response to Missing Parts
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a
Provisional Application☐

Power of Attorney, Revocation

☐

Change of Correspondence Address

☐

Terminal Disclaimer

☐

Request for Refund

☐

CD, Number of CD(s) _____

☐After Allowance communication
to Technology Center (TC)☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☐Other Enclosure(s) (please
Identify below):

Remarks

Customer No. 36441

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual nameHOWSON AND HOWSON
Mary E. Bak

Signature

Mary E. Bak

Date

July 27, 2004

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name

Kelly A. Karstaedt

Signature

Kelly A. Karstaedt

Date

July 27, 2004

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BIOL0003US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/803,482 Confirmation No.: 6288
Applicant : Monia et al.
Filed : March 18, 2004
TC/A.U. : 1652
Examiner : unassigned
Customer No. : 36441
Title : MODULATION OF DIACYLGLYCEROL
ACYLTRANSFERASE 1 EXPRESSION

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the documents are enclosed herewith. This Information Disclosure Statement is submitted more than three months from the filing date of this application but before the receipt of a first Office Action. Therefore, no fees are believed due.

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July 27, 2004

Signature Kelly A. Karstaedt
Name Kelly A. Karstaedt

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

REMARKS

Listed below are previously filed, and co-pending, US Patent applications. These applications and the present application are commonly owned:

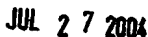
- (i) U.S. Patent Application No. 10/394,808, filed March 21, 2003
- (ii) U.S. Patent Application No. 10/643,801, filed August 18, 2003

The Examiner is respectfully requested to consider the enclosed documents identified in this paper and in the attached Form PTO/SB/08A/B during the course of examination of this application.

Respectfully submitted,

HOWSON AND HOWSON
Attorneys for Applicants

By Mary E. Bak
Mary E. Bak
Registration No. 31,215
Spring House Corporate Center
Box 457
Spring House, PA 19477
Telephone: (215) 540-9200
Telefacsimile: (215) 540-5818



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Substitute for form 1449/PTQ

(Use as many sheets as necessary)

Complete if Known

Application Number	10/803,482
Filing Date	March 18, 2004
First Named Inventor	Monia et al.
Art Unit	1652
Examiner Name	unassigned
Attorney Docket Number	BIOL0003US

Sheet	1	of	4
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[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
✓	AL	EP-1308459-A2	05-07-2003	Isogai et al.		
✓	AM	WO-00/78961	12-28-2000	Ferrara et al.		
✓	AN	WO-01/68848	09-20-2001	Baker et al.		
✓	AO	WO-01/77389	10-18-2001	Seilhamer et al		
✓	AP	WO-02/08260	01-31-2002	Perou et al.		

Examiner
Signature

Date
Considered

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/803,482
				Filing Date	March 18, 2004
				First Named Inventor	Monia et al.
				Group Art Unit	1652
				Examiner Name	unassigned
Sheet	2	of	4	Attorney Docket Number	BIOL0003US

NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
	AR	BUHMAN et al., "DGAT1 is not essential for intestinal triacylglycerol absorption or chylomicron synthesis", <i>J. Biol. Chem.</i> July 12, 2002 277:25474-25479		
	AS	CASES et al., "Identification of a gene encoding an acyl CoA: diacylglycerol acyltransferase, a key enzyme in triacylglycerol synthesis", <i>Proc. Natl. Acad. Sci. USA</i> October 27, 1998 95:13018-13023		
	AT	CASES et al., "Cloning of DGAT2, a second mammalian diacylglycerol acyltransferase, and related family members", <i>J. Biol. Chem.</i> October 19, 2001 276:38870-38876		
	AU	CHEN et al., "Increased insulin and leptin sensitivity in mice lacking acyl CoA: diacylglycerol acyltransferase 1", <i>J. Clin. Invest.</i> April 2002 109:1049-1055		
	AV	CHEN et al., "Leptin modulates the effects of acyl CoA: diacylglycerol acyltransferase deficiency on murine fur and sebaceous glands", <i>J. Clin. Invest.</i> January 2002 109:175-181		
	AW	CHENG et al., "Human acyl-CoA: diacylglycerol acyltransferase is a tetrameric protein", <i>Biochem. J.</i> November 1, 2001 359:707-714		
	AX	FARESE et al., "Triglyceride synthesis: insights from the cloning of diacylglycerol acyltransferase", <i>Curr. Opin. Lipidol.</i> June 2000 11:229-234		

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/803,482
				Filing Date	March 18, 2004
				First Named Inventor	Monia et al.
				Group Art Unit	1652
				Examiner Name	unassigned
Sheet	3	of	4	Attorney Docket Number	BIOL0003US

NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
	AY	LARDIZABAL et al., "DGAT2 is a new diacylglycerol acyltransferase gene family: purification, cloning, and expression in insect cells of two polypeptides from <i>Mortierella ramanniana</i> with diacylglycerol acyltransferase activity", <i>J. Biol. Chem.</i> October 19, 2001 276:38862-38869		
	AZ	LUDWIG et al., "DGAT1 promoter polymorphism associated with alterations in body mass index, high density lipoprotein levels and blood pressure in Turkish women", <i>Clin. Genet.</i> July 2002 62:68-73		
	BR	MEEGALLA et al., "Concerted elevation of acyl-coenzyme A: diacylglycerol acyltransferase (DGAT) activity through independent stimulation of mRNA expression of DGAT1 and DGAT2 by carbohydrate and insulin", <i>Biochem. Biophys. Res. Commun.</i> November 1, 2002 298:317-323		
	BS	OELKERS et al., "Characterization of two human genes encoded acyl coenzyme A: cholesterol acyltransferase-related enzymes", <i>J. Biol. Chem.</i> October 9, 1998 273:26765-26771		
	BT	SMITH et al., "Obesity resistance and multiple mechanisms of triglyceride synthesis in mice lacking DGAT", <i>Nat. Genet.</i> May 2000 25:87-90		
	BU	TABATA et al., "Xanthohumols, diacylglycerol acyltransferase inhibitors, from <i>Humulus lupulus</i> ", <i>Phytochemistry</i> October 1997 46:683-687		
	BV	TOMODA et al., "Roselipins, inhibitors of diacylglycerol acyltransferase, produced by <i>Gliocladium roseum</i> KF-1040", <i>J. Antibiot. (Tokyo)</i> August 1999 52:689-694		

Examiner Signature		Date Considered	
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